

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

NCI Group, Inc. 14031 West Hardy Houston, TX 77060

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "DoubleLok" 0.024" (min.) Structural Standing Seam Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. Dade County, titled "DoubleLok Panel", sheets 1 through 10 of 10, dated July 27, 2011, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on July 27, 2011, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 06-0920.02 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

Heling A. Nator

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

NOA No. 11-0810.04 Expiration Date: 02/25/2014 Approval Date: 10/20/2011

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0920.02

A. DRAWINGS

1. Drawing No. DL-001, titled "DoubleLok Panel", sheets 1 through 10 of 10, dated July 25, 2006, prepared by Metal Building Components, Inc. LP, signed and sealed by Mark Detwiler, P.E. on January 05, 2009.

B. TESTS

- 1. Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 12" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06L, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.
- 2. Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 12" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-061-K, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.
- 3. Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 18" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06E-G, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.
- 4. Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 24" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06A-C, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.
- 5. Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 24" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06D, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.
- 6. Test report on: 2000 hours Accelerated Weathering per ASTM G23, prepared by The Valspar Corporation, dated 08/12/98, signed by Clark Higginbotham.
- 7. Susceptibility to leakage test in accordance with Miami-Dade County Protocol PA 114 Appendix G, prepared by Farabaugh Engineering and Testing, Inc., Report No. T170-06, dated 06/07/2006, signed and sealed by Daniel G. Farabaugh, P.E.
- 8. Test report on Large Missile Impact Test, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T169-06, dated 06/07/2006, signed and sealed by Daniel G. Farabaugh, P.E.

C. CALCULATIONS

1. Calculations titled "DoubleLok 12", 18", 24" 24 ga., 6 pages, prepared by Mark Detwiler, P.E. on 01/05/09, signed and sealed by Mark Detwiler, P.E. on 01/05/09.

D. OUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. Tensile Test on each specimen tested, prepared by Bodycote Materials Testing, Inc.

Alelmy A. Makar, P.E., M.S. PERA, Product Control Unit Supervisor

PERA, Product Control Unit Supervisor NOA No. 11-0810.04

> Expiration Date: 02/25/2014 Approval Date: 10/20/2011

NCI Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. Dade County, titled "DoubleLok Panel", sheets 1 through 10 of 10, dated July 27, 2011, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on July 27, 2011.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. None.

F. OTHERS

1. Bill of Sale, Assignment and Assumption Agreement.

Helmy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor NOA No. 11-0810.04

Expiration Date: 02/25/2014 Approval Date: 10/20/2011

WALL PANEL THICKNESS -1/4-14 x 1 1/4 LONG-LIFE SELF-DRILLER W/WASHER [FASTENER #1E] (8 PER PANEL) - 2" LONG TRI-BEAD TAPE SEALER [HW-504] @ PANEL RIBS OVER INSIDE CLOSURE TRI-BEAD TAPE SEALER @ TOP OF CLOSURE [HW-504] -GUTTER STRAP @ 48" O.C. (MAX.) METAL INSIDE CLOSURE 1/4-14 x 7/8 LONG-LIFE LAPTEK-W/WASHER [FASTENER #4] (2 PER STRAP) [HW-426] -TRI-BEAD TAPE SEALER [HW-504] MINOR RIB TAPE SEALER AT ALL MINOR RIBS [HW-512] PREPUNCHED HOLES IN PANEL DOUBLE-LOK PANEL 24", 18" OR 12" WIDTH - 1/8 x 3/16 POP RIVET [FASTENER #14] @ 5'-0" O.C. -1/4-14 x 1 SELF-DRILLER W/WASHER [FASTENER #1] (2 PER INSIDE CLOSURE) -OFFSET CAP TRIM (OPTIONAL) EAVE STRUT WALL PANEL MIN. 16 GA METAL

INSTALLATION NOTE:

- 1. APPLY TRI-BEAD TAPE SEALER CONTINUOUS OVER SUBSTRATE.
- ATTACH INSIDE METAL CLOSURE W/
- 1/4"-14 X 1" SDS W/WASHER [FASTENER #1]
 3. APPLY A 10" LONG PIECE OF TRI-BEAD TAPE SEALER UP AND OVER THE INSIDE METAL CLOSURE
- 4. APPLY A 2" LONG PIECE OF TRI-BEAD TAPE SEALER IN VERTICAL LEG OF PANEL SEAM
- 5. IF THE PANELS HAVE MINOR RIBS, APPLY MINOR RIB TAPE SEAL BETWEEN PANEL AND EAVE TRIM OR GUTTER
- 6. ATTACH PANEL W/#1/4-14 X 1 1/4" LONG LIFE W/WASHER IN THE FLAT PANEL AND ONE EACH SIDE OF THE INSIDE METAL CLOSURE (8) TOTAL [FASTENER #1E]

PRODUCT REVISED as complying with the Florida Building Code Acceptance No || - 08|0.04 Expiration Date 02/25/2014

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Drawn by: EH

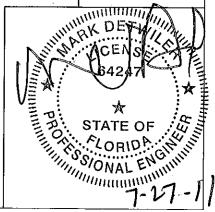
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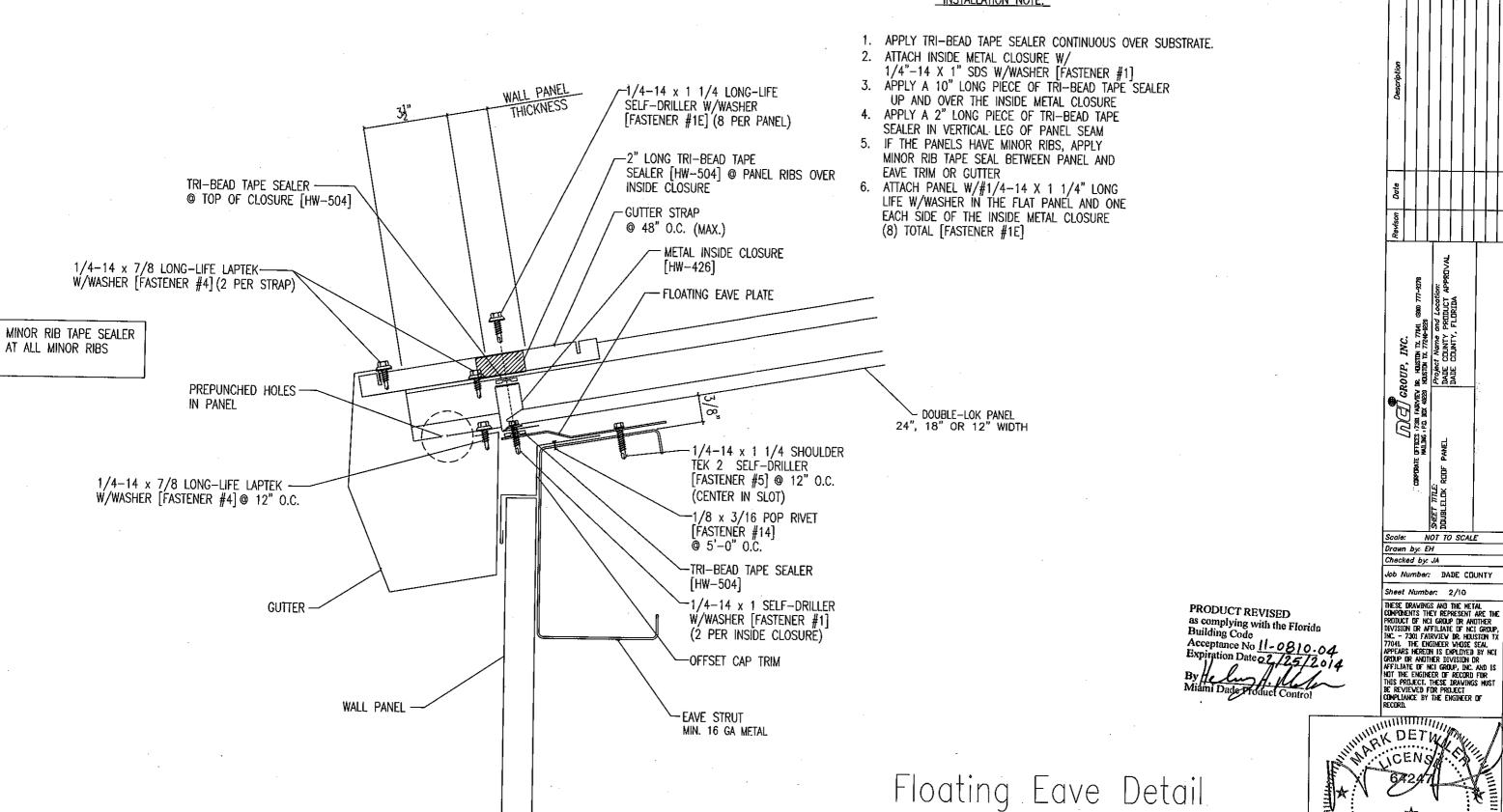
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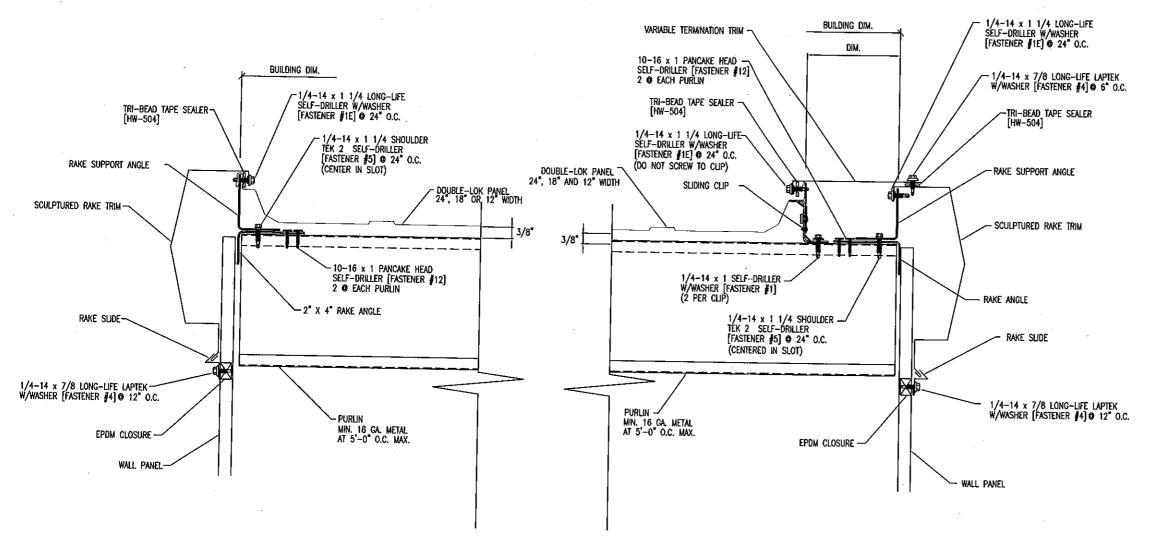
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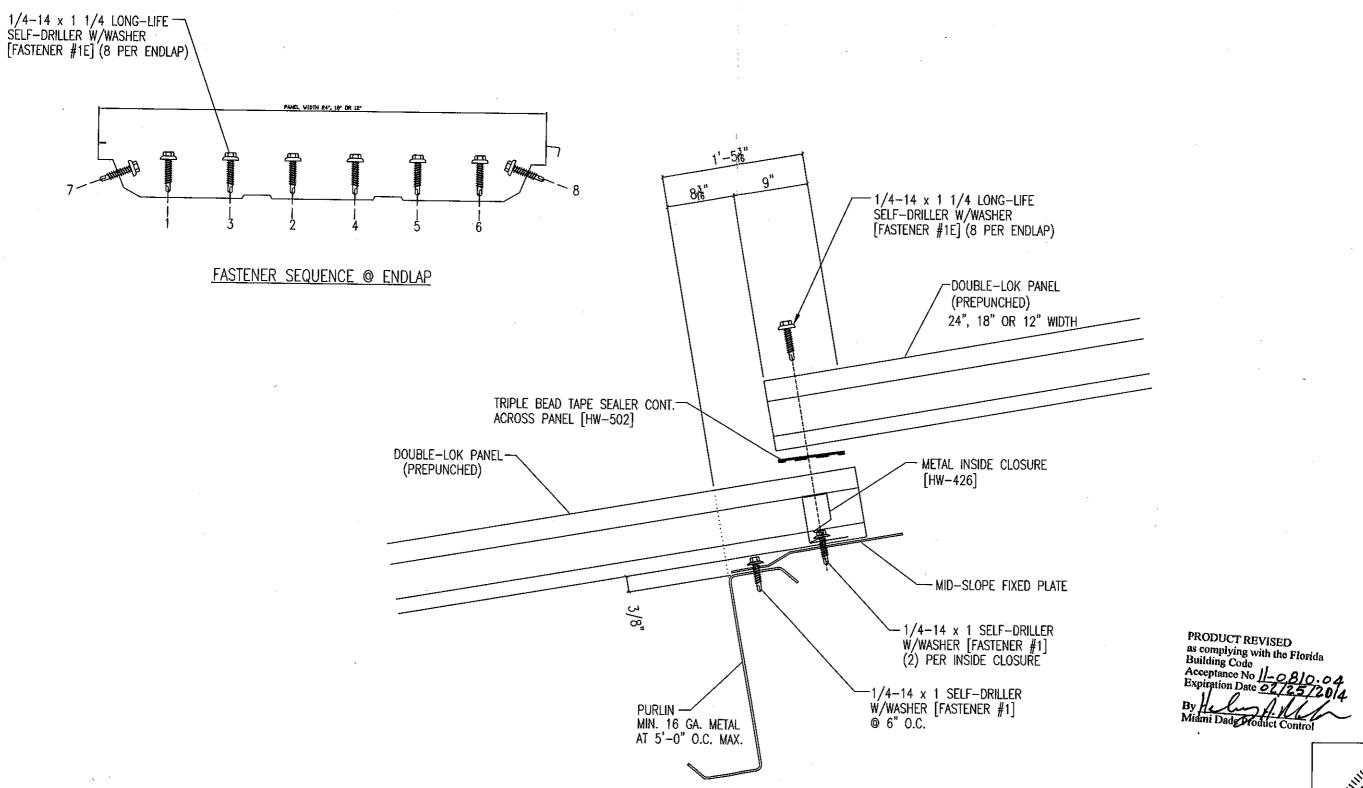


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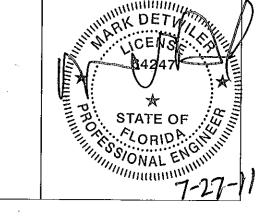
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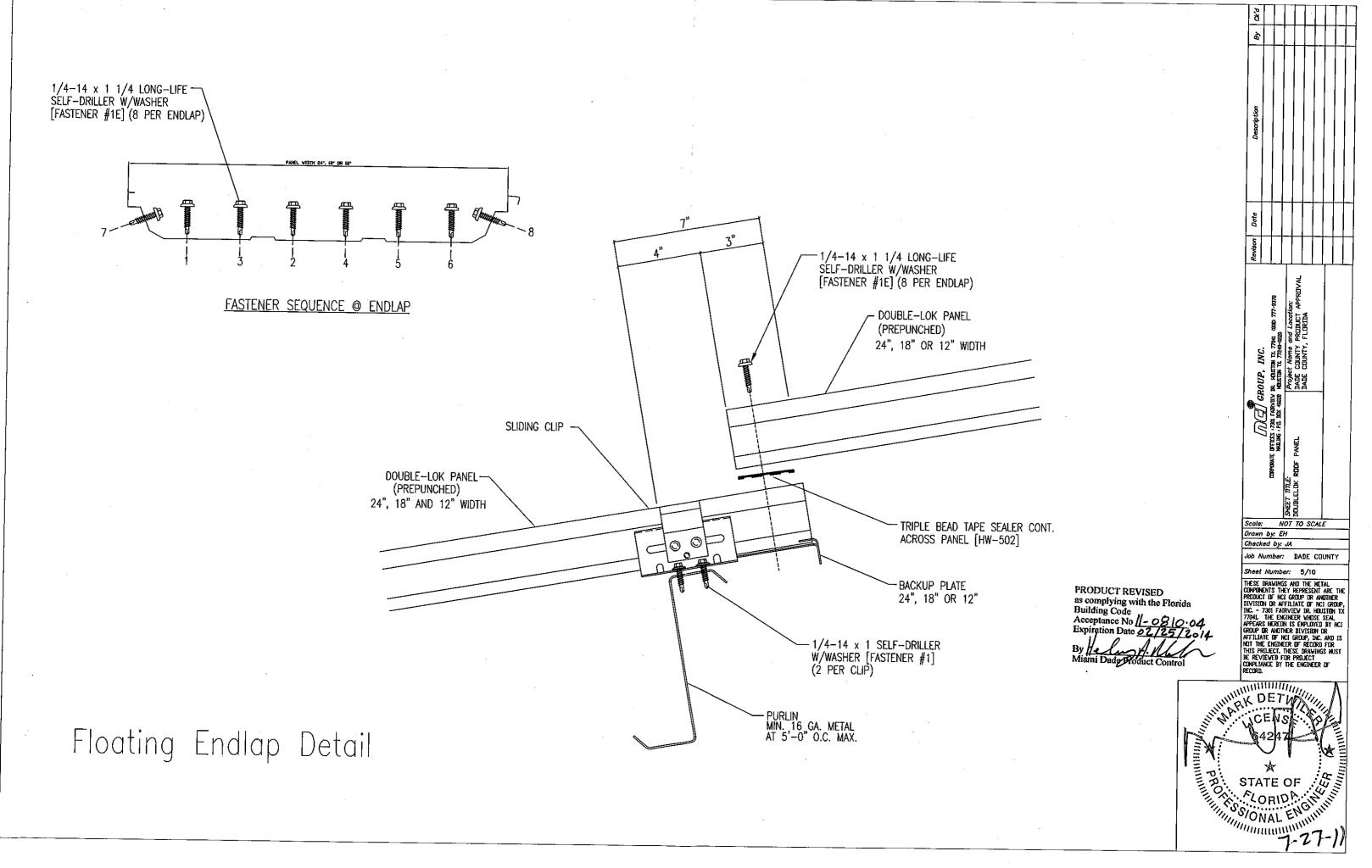


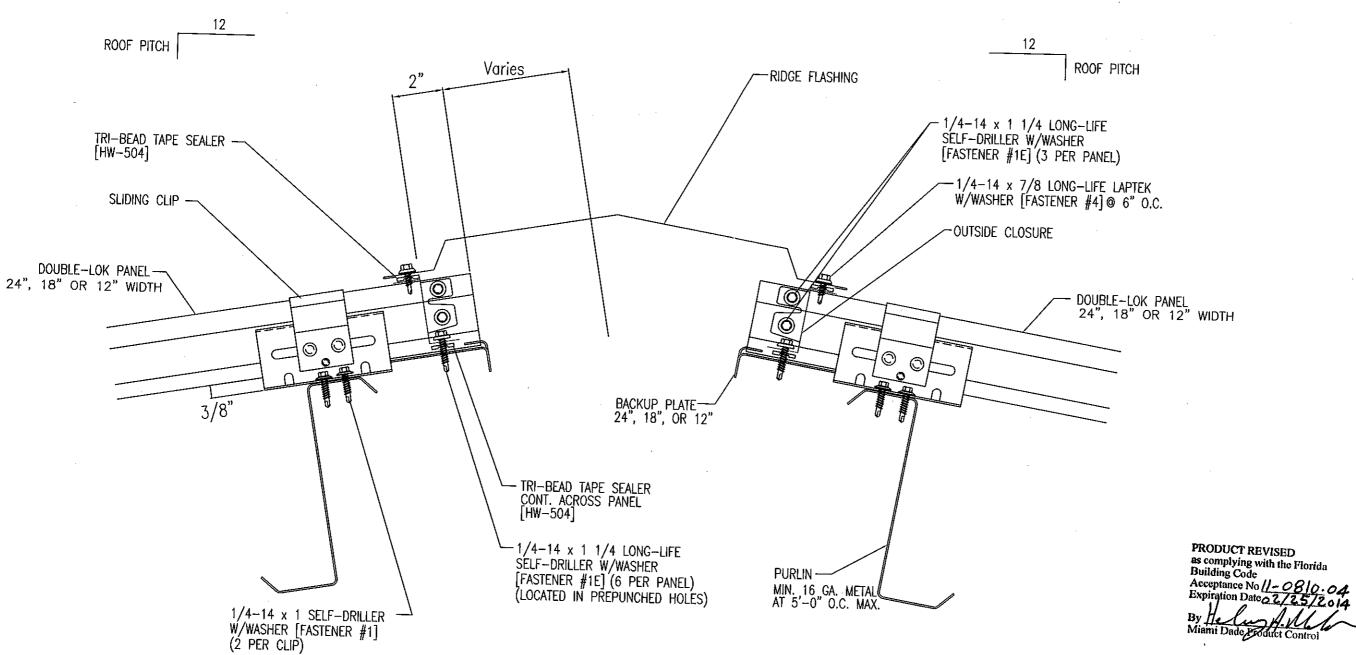
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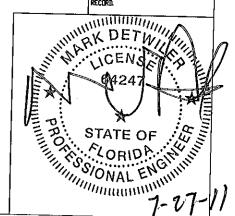




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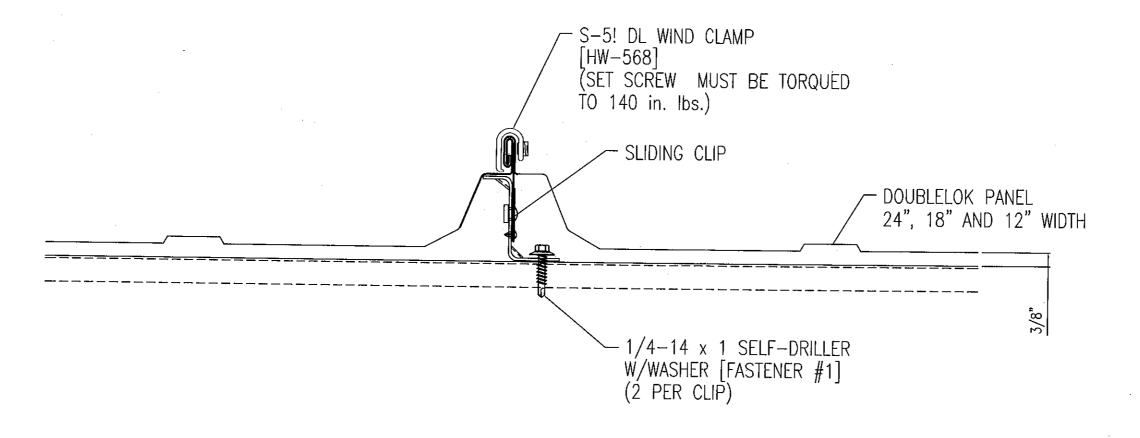
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INSTALLATION NOTE:

ATTACH S5! DL WINDCLAMP AT EVERY SLIDINGCLIP LOCATION



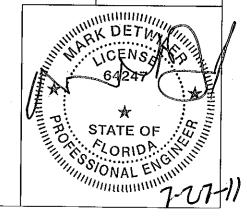
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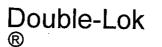
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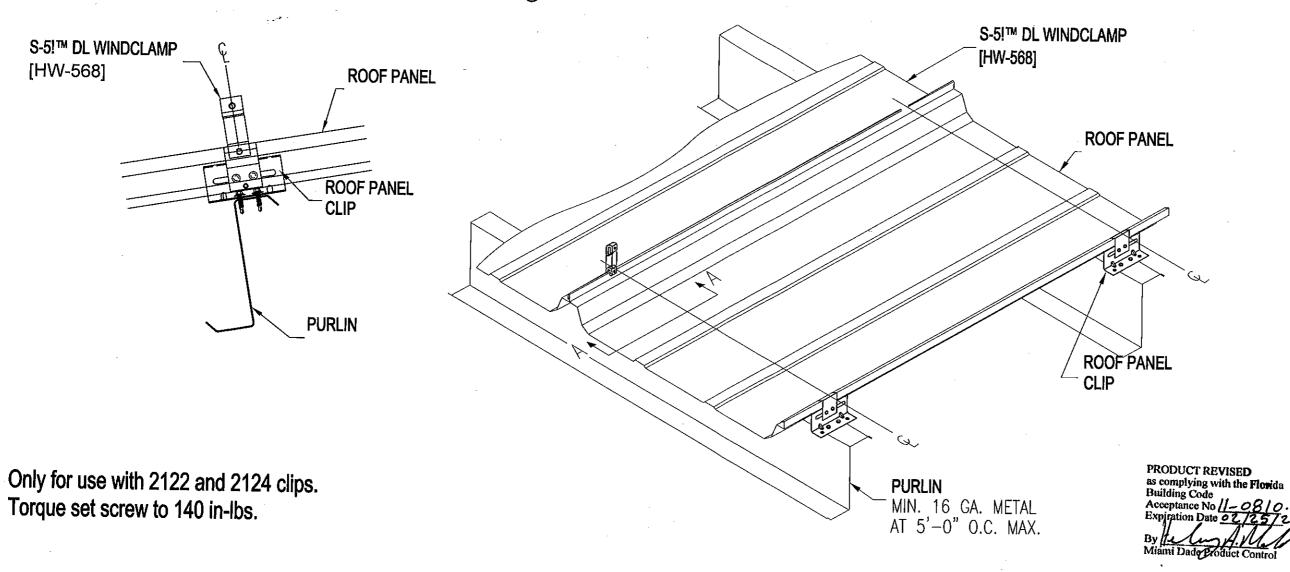
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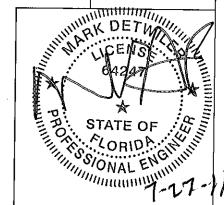


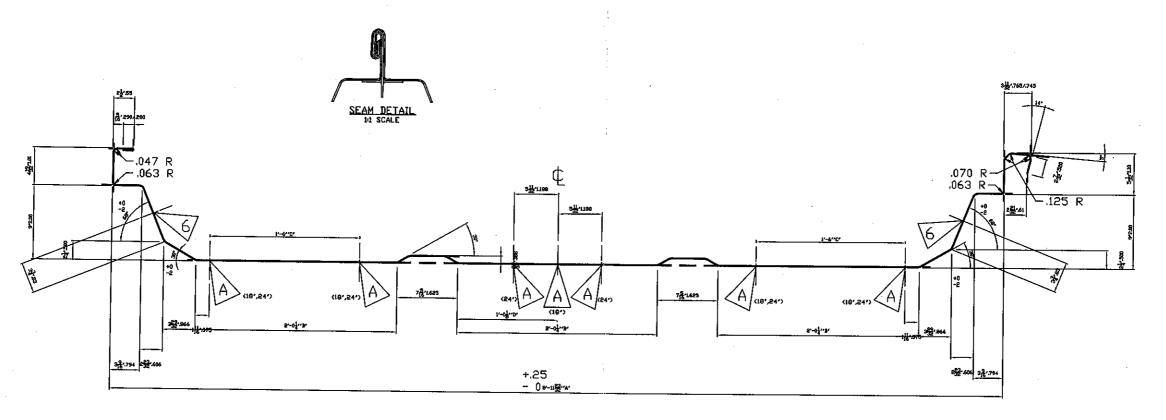




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NOTES

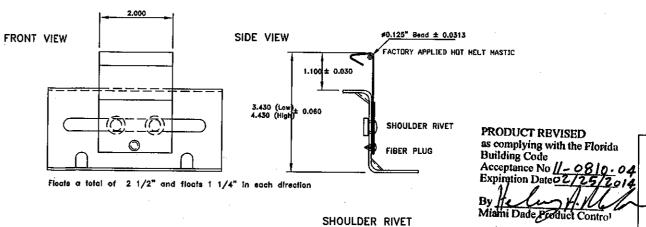
5/16 DIAMETER HOLES ARE IN RIBBED PANELS ONLY & ARE 1.5' BACK FROM BOTH ENDS OF PANEL.(6 HOLES EACH END 24'.)
(5 HOLES EACH END 18'.)

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24"	4,000	2,693
18"	2.187	1.693

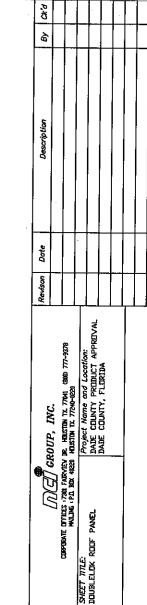
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12"	11.94		ND	17,94*
24*	23.94	5.386	YES	29.94*
18*	17.94	3.386	YES	23.94*

*STRIP WIDTH TOLERANCE +1/8/-0

Low Double-Lok Sliding Clip High Double-Lok Sliding Clip HW-2122 HW-2124



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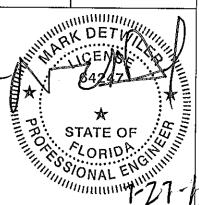
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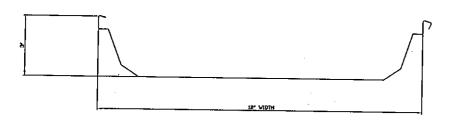
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Job Number: DADE COUNTY

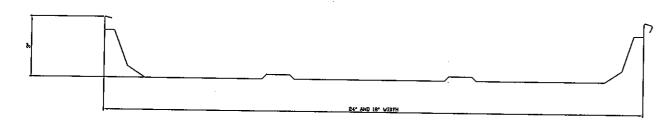
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These drawings and the metal components they represent are the product of nCI group or another division or affiliate of nCI group, inc. -7301 farniver NR Houston tx 77041. The engineer whose scal appears hereon is employed by nCI group or another division or affiliate of nCI group, inc. and is not the regimeer whose of record for this project. These drawings must be reviewed for project compliance by the engineer of record for court of the record for project of the record for the record for project of the record for the record for project of the record for the recor





DOUBLE-LOK PANEL PROFILE



DOUBLE-LOK PANEL PROFILE

			PANI	EL PROF	PERTIES	>	
PANEL GAUGE	PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	HARDNESS	STEEL COATING	PAINT COATINGS
24	.024 MIN.	50 KSI	55-70 KSI	20-36%	50-65 HRB	AZ 55	SIG 300 KYNAR

PANEL ACCESSORIES

CONSTRUCTION FASTENERS INC.

SPRING STREET AND VAN REED ROAD
P.O. BOX 6326, WYDMISSING PA 19610

414 X 7/8" LAP TEK W/80ND SEAL WASHER LONG LIFE - FASTENER #4

174-14 X 1 174 SIG NY WASHER LONG LIFE - FASTONER IDE

. 1/4-14 x 1 SDS V/ Vasher - Fastener III

1/4-14 X I 1/4 SHOULDER TEX SDS - FASTENER 85

#10-16 PANCAKE HEAD SDS - FASTENER #12

L/4-14 X 1 ZAC STS W/ WASHER - FASTENER #18

METAL DISIDE CLOSURE - HAVES

SSI DL. VINDOZAMP - HAV 568

GULF-SEAL SPECIALTIES, INC.
P.O. BOX 508
SOUTH HOUSTON, TX 77587

TRI-BEAD SOUTH HOUSTON, TX 77587

TAPE SEALER MB-10A (POLYISOBUTYLENE-ISOPLENE)
TRIPLE BEAD

TAPE SEALER MB-10A (POLYISOBUTYLENE-ISOPLENE)

SCHNEE-MOREHEAD, INC. 111 NORTH NURSERY ROAD IRVING, TX 75060

-0____

PERMATHANE URETHANE CAULK

NOTES:

- THE 24 GAUGE DOUBLELOK STANDING SEAM ROOF PANELS SHALL BE USED FOR ROOF CONSTRUCTION ONLY. THE ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS INCLUDING:
 - DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
 - b. ASSEMBLY DETAILS INCLUDING ALL CONNECTION'S FASTENERS DIAGRAM WITH SIZE AND LOCATION.
- 2A. THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

DOUBLELOK 12"-24 GA, PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 200.00 FT-LBS/FT MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 160.00 FT-LBS/FT MAXIMUM PANEL REACTION AT SUPPORTS = 440.00 LBS MAXIMUM ALLOWABLE DEFLECTION OF PANEL = L/240 PANEL'S EI VALUE = 2,695,835.52 LB-IN^2 THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

2B. THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

DOUBLELOK 18"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 71.20 FT-LBS/FT MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 56.96 FT-LBS/FT MAXIMUM PANEL REACTION AT SUPPORTS = 156.64 LBS

MAXIMUM ALLOWABLE DEFLECTION OF PANEL = L/240

PANEL'S EI VALUE = $848,931.84 LB-IN^2$ THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

2C. THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

DOUBLELOK 24"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 53.33 FT-LBS/FT
MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 42.66 FT-LBS/FT
MAXIMUM PANEL REACTION AT SUPPORTS = 117.32 LBS
MAXIMUM ALLOWABLE DEFLECTION OF PANEL = L/240
PANEL'S EI VALUE = 635,804.64 LB-IN^2

THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

3. ALL PANEL SUBMEMBERS SHALL BE STEEL WITH 16 GA. MINIMUM THICKNESS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No [-08/0.04
Expiration Date 02/25/2014

By Miami Dade Product Control

E DETICES TOUR Scale: NOT TO SCALE

Drawn by: EH Checked by: JA

Job Number: DADE COUNTY

Sheet Number: 10/10

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